

## EAST Search History

| Ref # | Hits   | Search Query                 | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|------------------------------|---|------------------|---------|------------------|
| S1    | 872    | ((239/88.ccls.)).CCLS.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2007/08/09 19:40 |
| S2    | 252    | ((239/90.ccls.)).CCLS.       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/30 13:02 |
| S3    | 970    | ((239/533.2.ccls.)).CCLS.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/23 18:07 |
| S4    | 330    | ((239/533.8.ccls.)).CCLS.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/23 18:07 |
| S5    | 1153   | ((239/585.1.ccls.)).CCLS.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/23 18:07 |
| S6    | 603    | ((239/585.4.ccls.)).CCLS.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/23 18:08 |
| S7    | 526    | ((239/585.5.ccls.)).CCLS.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/23 18:08 |
| S8    | 24     | 3/3 near valve               | USPAT   | OR               | OFF     | 2006/03/23 18:09 |
| S9    | 104662 | ((three and way) same valve) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/23 18:09 |
| S10   | 18427  | S9 and fuel                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/03/23 18:09 |

## EAST Search History

|     |      |  |  |    |     |                  |
|-----|------|--|--|----|-----|------------------|
| S11 | 3298 | S10 and injector   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | OFF | 2006/03/23 18:09 |
| S12 | 37   | S11 and chambe   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT                      | OR | OFF | 2006/03/23 18:13 |
| S13 | 4    | ("5544816"   "5636615"  <br>"5921475"   "5996911").PN. OR<br>("6811105").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2006/03/23 19:04 |
| S14 | 1    | "20020134853"  | US-PGPUB;<br>USPAT   | OR | OFF | 2006/03/27 15:24 |
| S15 | 4    | ("4605166"   "5484104"  <br>"6412706").PN. OR ("6814302").<br>URPN.            | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2006/03/29 17:14 |
| S16 | 4    | ("4605166"   "5484104"  <br>"6412706").PN. OR ("6814302").<br>URPN.            | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2006/03/30 13:01 |
| S17 | 0    | "20020134853"  | USPAT  | OR | OFF | 2006/03/30 13:02 |
| S18 | 1    | "20020134853"  | US-PGPUB;<br>USPAT   | OR | OFF | 2006/03/30 13:02 |
| S19 | 7    | "6427968"  | USPAT  | OR | OFF | 2006/03/30 13:33 |
| S20 | 39   | "5669355"  | USPAT  | OR | OFF | 2006/08/31 12:31 |
| S21 | 570  | 239/88.ccls.   | USPAT  | OR | OFF | 2007/08/09 19:40 |
| S22 | 616  | 239/569.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 21:12 |
| S23 | 502  | 239/570.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 21:12 |
| S24 | 398  | 239/96.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 21:12 |

## EAST Search History

|     |     |                  |  |    |     |                  |
|-----|-----|------------------|--|----|-----|------------------|
| S25 | 263 | 239/90.ccls.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 21:12 |
| S26 | 168 | 239/91.ccls.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 21:12 |
| S27 | 948 | 239/124.ccls.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 22:30 |
| S28 | 381 | 239/126.ccls.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 21:12 |
| S29 | 650 | 239/127.ccls.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 21:12 |
| S30 | 498 | 239/533.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 21:12 |
| S31 | 300 | 239/533.11.ccls. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 21:12 |

## EAST Search History

|     |        |   |  |    |     |                  |
|-----|--------|---|--|----|-----|------------------|
| S32 | 259    | 239/533.15.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/20 21:12 |
| S33 | 7      | ("4129254"   "4197996"  <br>"4219154"   "4281792"   "4410138"<br>  "4427152"   "4593664").PN. OR<br>("6974093").URPN.         | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/20 21:19 |
| S34 | 3      | "20050252490"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/11/21 07:37 |
| S35 | 7      | ("20040195387"   "20050263133"  <br>"5651345"   "6085726"   "6499467"<br>  "7032574"   "RE37633").PN. OR<br>("7182070").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/21 08:25 |
| S36 | 0      | "first with seat"   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/21 08:26 |
| S37 | 0      | "second with seat"  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/21 08:26 |
| S38 | 100007 | first with seat   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/21 08:26 |
| S39 | 89760  | second with seat  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/21 08:26 |
| S40 | 71559  | S38 and S39   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/21 08:26 |
| S41 | 2127   | S40 and injector  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/21 08:26 |
| S42 | 888    | S41 and 239'/\$.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/21 08:27 |
| S43 | 33     | S41 and 239/124.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/25 15:24 |
| S44 | 595453 | seat  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | OFF | 2007/11/25 18:46 |

## EAST Search History

|     |         |                        |                              |    |     |                  |
|-----|---------|------------------------|------------------------------|----|-----|------------------|
| S45 | 4169296 | first same second      | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:25 |
| S46 | 23034   | "fuel injector"        | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:25 |
| S47 | 4713    | S44 and S45 and S46    | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:29 |
| S48 | 1648    | S47 and "239"/\$.ccls. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:29 |
| S49 | 409     | S47 and "251"/\$.ccls. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:32 |
| S50 | 121372  | S45 same seat          | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:32 |
| S51 | 200022  | "control valve"        | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:34 |
| S52 | 15682   | S50 and S51            | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:34 |
| S53 | 800     | S52 and "239"/\$.ccls. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:34 |
| S54 | 2842    | S52 and "251"/\$.ccls. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:35 |
| S55 | 459     | S53 and "fuel"         | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:54 |
| S56 | 2       | "6250563"              | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 15:54 |

## EAST Search History

|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| S57 | 56 | ("3680782"   "5396926"   "5779149"   "5806766"   "5839412"   "5915623"   "6105884"   "6113014"   "6123275"   "6168087"   "6186421"   "6189817"   "6250563"   "6260537"   "6264112"   "6276339"   "6279840"   "6318641"   "6328232"   "6336595"   "6338445"   "6340017"   "6340121"   "6345606"   "6363917"   "6364222"   "6373363"   "6378503"   "6390067"   "6390385"   "6405940"   "6408801"   "6412712"   "6420817"   "6421913"   "6422199"   "6422210"   "6425368"   "6431469"   "6434822"   "6454191"   "6454192"   "6464153"   "6467702"   "6471142"   "6480641"   "6502555"   "6508416"   "6511004"   "6513733"   "6520154"   "6588102"   "6601784"   "6612508"   "6616070"   "6629650").PN. OR ("6889918").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 16:11 |
| S58 | 2  | "7182070"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 18:46 |
| S59 | 7  | ("20040195387"   "20050263133"   "5651345"   "6085726"   "6499467"   "7032574"   "RE37633").PN. OR ("7182070").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2007/11/25 18:47 |